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CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1. (currently amended) A liquid electrophotographic toner composition comprising:
 - a) a liquid carrier having a Kauri-butanol number less than 30 mL; and
- b) a plurality of toner particles dispersed in the liquid carrier, wherein the toner particles comprise polymeric binder comprising at least one amphipathic copolymer comprising one or more S material portions and one or more D material portions, wherein the S material portions and the D material portions have respective solubilities in the liquid carrier that are sufficiently different from each other such that the S material portions tend to be more solvated by the liquid carrier while the D material portions tend to be more dispersed in the liquid carrier, and wherein the S material portion of the copolymer has molecular weight and solubility properties selected to provide a three dimensional gel of controlled rigidity which can be reversibly reduced to a fluid state by application of energy; and wherein the electrophotographic toner composition does not form a film under Photoreceptor Image Formation conditions.
- 2. (original) The liquid electrophotographic toner composition according to claim 1, wherein the absolute Hildebrand solubility parameter difference between the S material portion of the amphipathic copolymer and the carrier liquid is between 2.4 and 3.0 MPa^{1/2}.
- 3. (original) The liquid electrophotographic toner composition according to claim 1, wherein the S material portion of the amphipathic copolymer has a molecular weight of greater than about 200,000 Daltons.
- 4. (original) The liquid electrophotographic toner composition according to claim 1, wherein the S material portion of the amphipathic copolymer has a molecular weight of greater than about 300,000 Daltons.

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- 5. (original) The liquid electrophotographic toner composition according to claim 1, wherein the S material portion of the amphipathic copolymer has a molecular weight of greater than about 400,000 Daltons.
- 6. (original) The liquid electrophotographic toner composition according to claim 1, wherein the S material portion of the amphipathic copolymer has a molecular weight of from about 400,000 to about 800,000 Daltons.
- 7. (original) The liquid electrophotographic toner composition according to claim 1, wherein the D material portion of the amphipathic copolymer has a total calculated T_g greater than or equal to about 30°C.
- 8. (original) The liquid electrophotographic toner composition according to claim 1, wherein the D material portion of the amphipathic copolymer has a total calculated T_g of from about 50-60°C.
- 9. (original) The liquid electrophotographic toner composition according to claim 1, wherein the amphipathic copolymer has a total calculated T_g greater than or equal to about 30°C.
- 10. (original) The liquid electrophotographic toner composition according to claim 1, wherein the amphipathic copolymer has a total calculated T_g greater than about 55°C.
- 11. (original) The liquid electrophotographic toner composition according to claim 1, the toner particle comprising at least one visual enhancement additive.
- 12. (currently amended) A method of making a liquid electrophotographic toner composition, comprising the steps of:
- a) providing a plurality of free radically polymerizable monomers, wherein at least one of the monomers comprises a first reactive functionality;

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- b) free radically polymerizing the monomers in a solvent to form a first reactive functional polymer having a predetermined molecular weight and solubility parameter, wherein the monomers and the hydroxyl functional polymer are soluble in the solvent;
- c) reacting a compound having a second reactive functionality that is reactive with the first reactive functionality and free radically polymerizable functionality with the first reactive functional polymer under conditions such that at least a portion of the second reactive functionality of the compound reacts with at least a portion of the first reactive functionality of the polymer to form one or more linkages by which the compound is linked to the polymer, thereby providing an S material portion polymer with pendant free radically polymerizable functionality;
- d) copolymerizing ingredients comprising (i) the S material portion polymer with pendant free radically polymerizable functionality, (ii) one or more free radically polymerizable monomers, and (iii) a liquid carrier in which polymeric material derived from ingredients comprising the one or more additional monomers of ingredient (ii) is insoluble;

said copolymerizing occurring under conditions effective to form an amphipathic copolymer having S and D portions, wherein the S material portions and the D material portions have respective solubilities in the liquid carrier that are sufficiently different from each other such that the S material portions tend to be more solvated by the liquid carrier while the D material portions tend to be more dispersed in the liquid carrier; wherein the S material portions having have molecular weight and solubility properties selected to provide a three dimensional gel of controlled rigidity which can be reversibly reduced to a fluid state by application of energy; and wherein the electrophotographic toner composition does not form a film under Photoreceptor Image Formation conditions.

- 13. (original) The method of claim 12, wherein the first reactive functionality is selected from hydroxyl and amine functionalities, and the second reactive functionality is selected from isocyanate and epoxy functionalities.
- 14. (original) The method of claim 12, wherein the first reactive functionality is a hydroxyl functionality, and the second reactive functionality is an isocyanate functionality.

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- 15. (original) The method of claim 12, wherein the first reactive functionality is selected from isocyanate and epoxy functionalities, and the second reactive functionality is selected from hydroxyl and amine functionalities.
- 16. (original) A method of electrophotographically forming an image on a substrate surface comprising steps of:
 - a) providing a liquid toner composition of claim 1;
- b) causing an image comprising the toner particles in a carrier liquid to be formed on a surface of a photoreceptor; and
- c) transferring the image from the surface of the photoconductor to an intermediate transfer material or directly to a print medium without film formation on the photoreceptor.